

ABSTRACT OF THE DISCLOSURE

A storage system including hierarchical cache metadata storages includes a cache, a first metadata storage, and a second metadata storage. In one embodiment, the cache may
5 store a plurality of data blocks in a first plurality of locations. The first metadata storage may include a plurality of entries that stores metadata including block addresses of data blocks within the cache. The second metadata storage may include a second plurality of locations for storing metadata including the block addresses identifying the data blocks within the cache. The metadata stored within the second metadata storage may also
10 include pointers to the data blocks within the cache. The cache and the first metadata storage are non-volatile storages. However, the second metadata storage may be a volatile storage.

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